Common Logistics Command & Control System

http://www.clc2s.info

March 2004

What is CLC2S?

- Limited Engineering Prototype to help us R&D what Decision Support capabilities and presentation would best enhance GCSS-MC.
  - Web-based or Client-server (flexible)
  - Lite “Shared Data Environment” capability
  - Radio connectivity (PRC-117, 119, 150, 6745 and ViaSAT) and presently testing INMARSAT connectivity capability.
  - Iridium Satellite Network Capable
  - Easily imports present system info through MS Office functions
- USMC Official Program of Record
- The USMC Pilot program for Navy FORCEnet program
- Ops
  - Limited USMC use in OIF and OEF
  - Actively used at CSSG-3 and 2nd FSSG
  - Navy Seabees are co-players in the development and exercise

Present MAGTF C2 Challenges

Current MAGTF C2 IT systems

- C2PC is primary C2 IT system.
- A rudimentary COP.
- Not interoperable with each other.
- Do not share a common data base.

AFATDS

MCACCS C2PC TCO

MAGTF C2 Processes and

Current Logistics tools

- Numerous transactional and functional logistics applications.
- No common logistics C2 IT applications available throughout the MAGTF.
- Lack of planning and execution visibility
- Limited asset management
- Limited comm capabilities

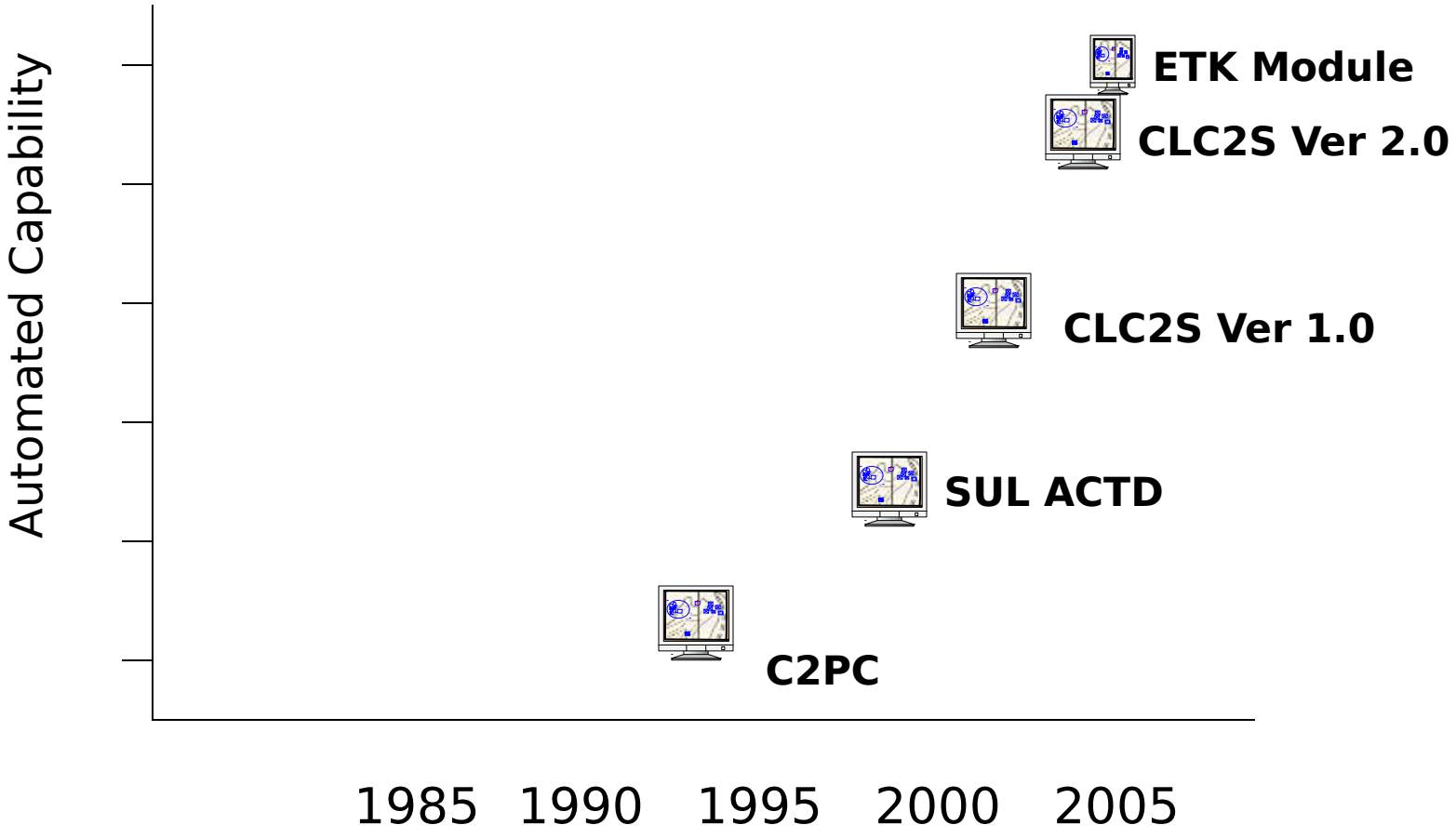
Logistics C2 Capabilities Gap Filled with Manual Processes

Functional Logistic Applications

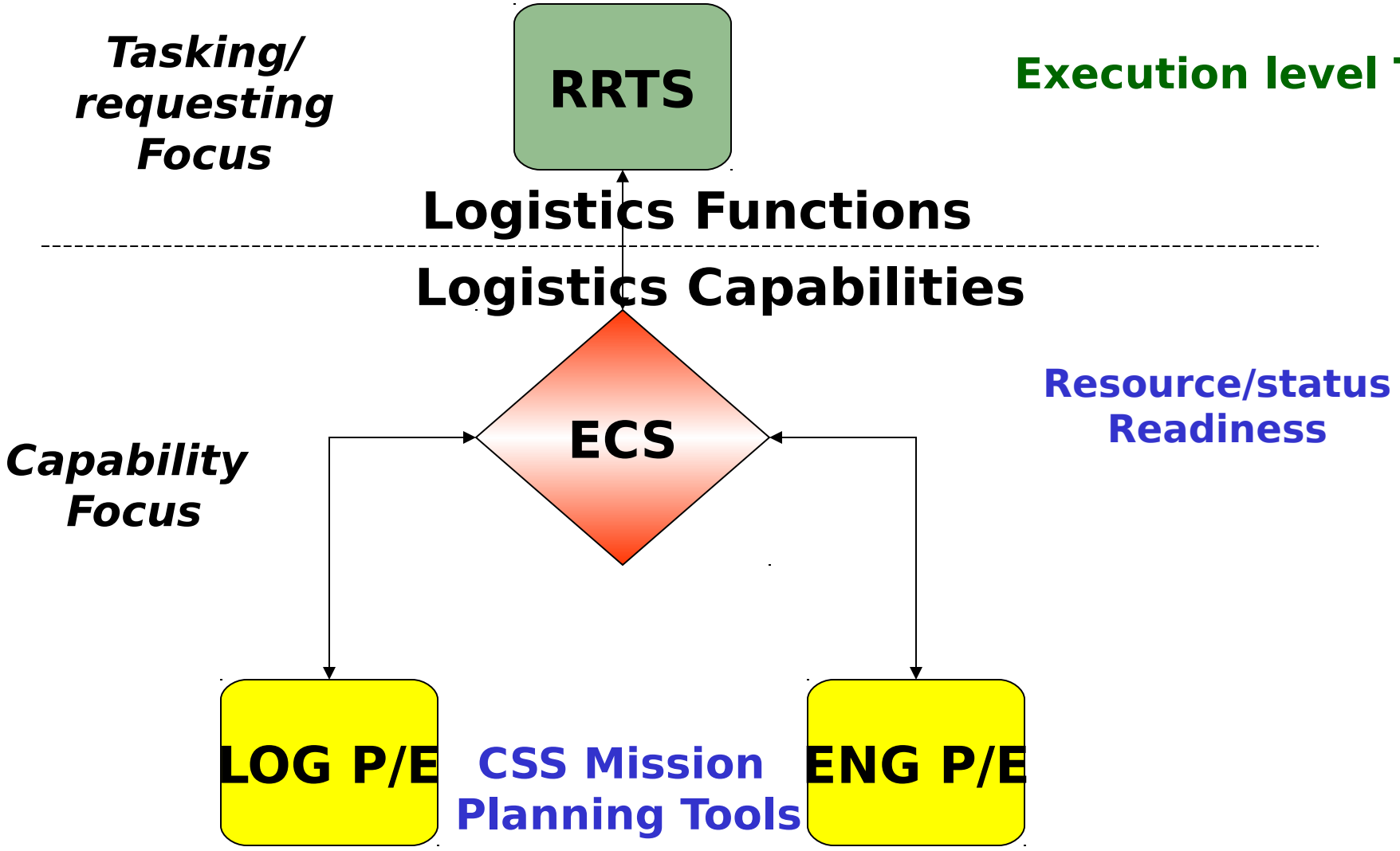
MDSS II ROLMS TC-AIMS

ATLASS 2+ SASSY MIMMS

CLC2S Evolution and Migration

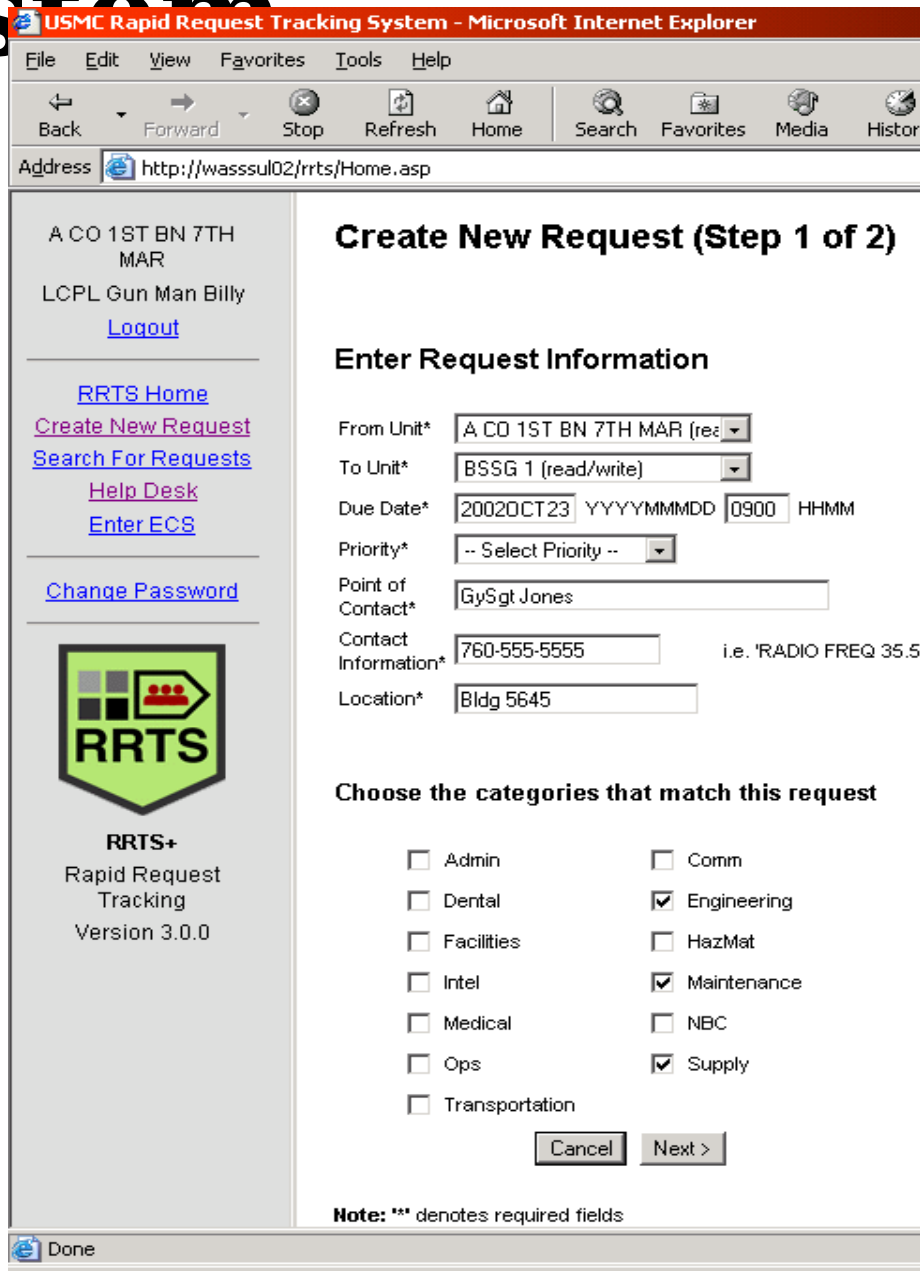


CLC2S Component Relationships



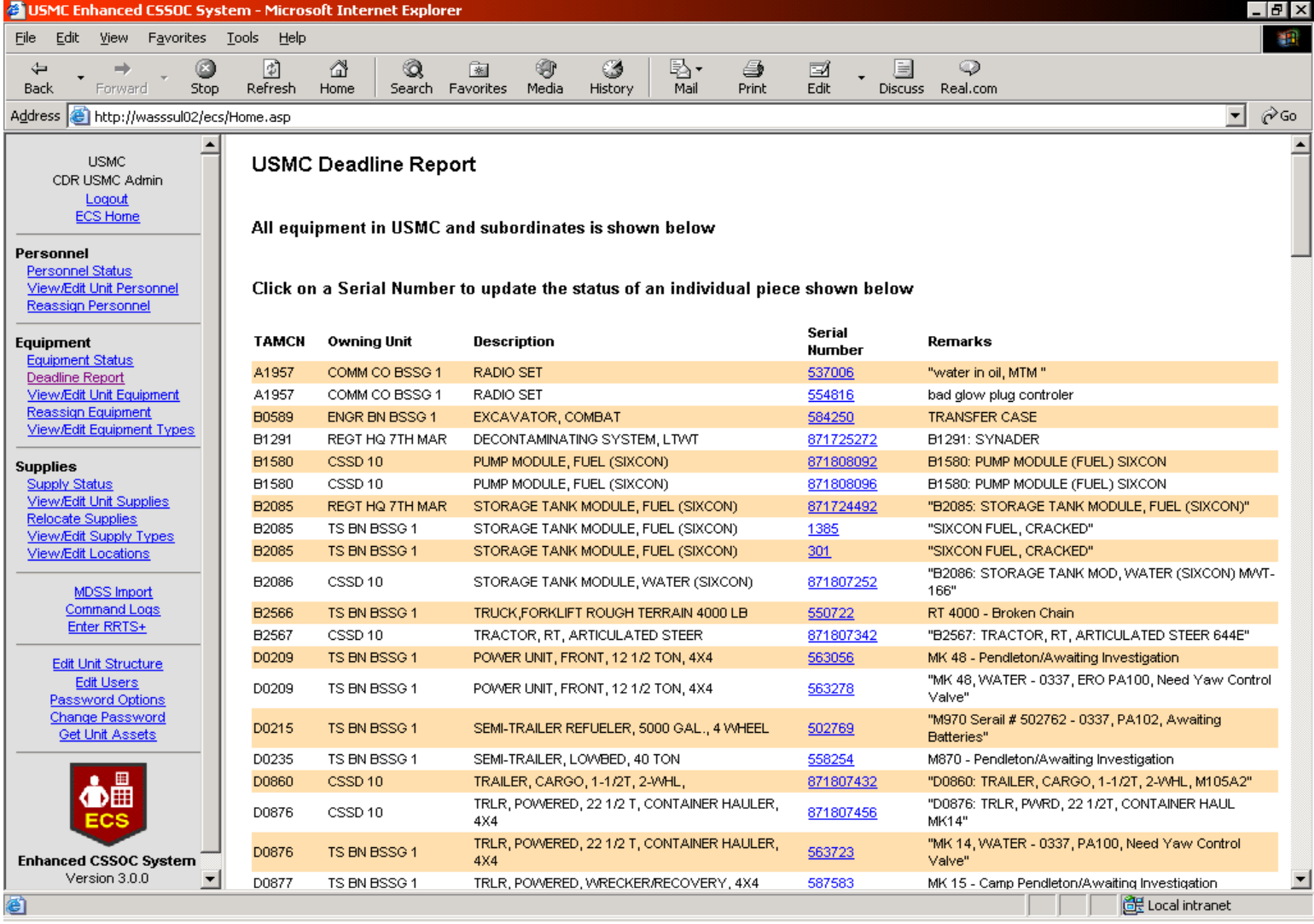
Rapid Request Tracking System

- Simple user interface with minimal training requirements
- Request Manager tool
- Service orientated approach to Requests vs. Product centered approach of existing requisition process
- Optimized for MEU / small MEB-sized MAGTF deployments and logistics support units



ECS

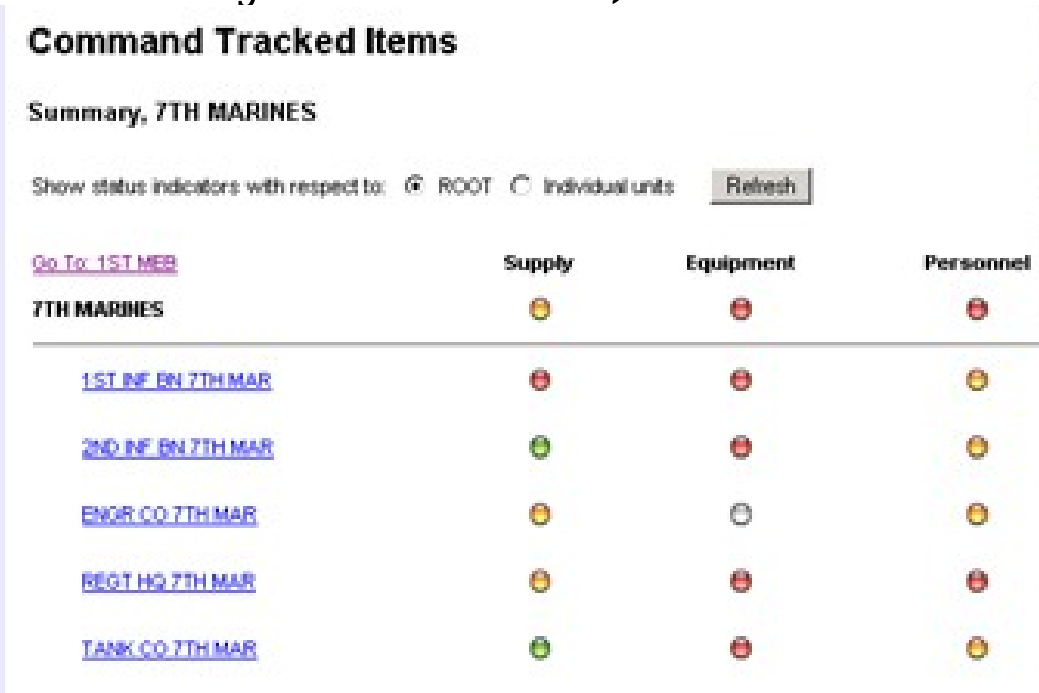
(Enhanced CSSOC System)


USMC Enhanced CSSOC System - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites Media History Mail Print Edit Discuss Real.com
Address http://wasssul02/ecs/Home.asp
Go
USMC
CDR USMC Admin
Logout
ECS Home
Personnel
Personnel Status
View/Edit Unit Personnel
Reassign Personnel
Equipment
Equipment Status
Deadline Report
View/Edit Unit Equipment
Reassign Equipment
View/Edit Equipment Types
Supplies
Supply Status
View/Edit Unit Supplies
Relocate Supplies
View/Edit Supply Types
View/Edit Locations
MDSS Import
Command Logs
Enter RRTS+
Edit Unit Structure
Edit Users
Password Options
Change Password
Get Unit Assets
ECS
Enhanced CSSOC System
Version 3.0.0
USMC Deadline Report
All equipment in USMC and subordinates is shown below
Click on a Serial Number to update the status of an individual piece shown below
TAMCN | Owning Unit | Description | Serial Number | Remarks
A1957 | COMM CO BSSG 1 | RADIO SET | 537006 | "water in oil, MTM "
A1957 | COMM CO BSSG 1 | RADIO SET | 554816 | bad glow plug controler
B0589 | ENGR BN BSSG 1 | EXCAVATOR, COMBAT | 584250 | TRANSFER CASE
B1291 | REGT HQ 7TH MAR | DECONTAMINATING SYSTEM, LTWT | 871725272 | B1291: SYNADER
B1580 | CSSD 10 | PUMP MODULE, FUEL (SIXCON) | 871808092 | B1580: PUMP MODULE (FUEL) SIXCON
B1580 | CSSD 10 | PUMP MODULE, FUEL (SIXCON) | 871808096 | B1580: PUMP MODULE (FUEL) SIXCON
B2085 | REGT HQ 7TH MAR | STORAGE TANK MODULE, FUEL (SIXCON) | 871724492 | "B2085: STORAGE TANK MODULE, FUEL (SIXCON)"
B2085 | TS BN BSSG 1 | STORAGE TANK MODULE, FUEL (SIXCON) | 1385 | "SIXCON FUEL, CRACKED"
B2085 | TS BN BSSG 1 | STORAGE TANK MODULE, FUEL (SIXCON) | 301 | "SIXCON FUEL, CRACKED"
B2086 | CSSD 10 | STORAGE TANK MODULE, WATER (SIXCON) | 871807252 | "B2086: STORAGE TANK MOD, WATER (SIXCON) MWT-166"
B2566 | TS BN BSSG 1 | TRUCK,FORKLIFT ROUGH TERRAIN 4000 LB | 550722 | RT 4000 - Broken Chain
B2567 | CSSD 10 | TRACTOR, RT, ARTICULATED STEER | 871807342 | "B2567: TRACTOR, RT, ARTICULATED STEER 644E"
D0209 | TS BN BSSG 1 | POWER UNIT, FRONT, 12 1/2 TON, 4X4 | 563056 | MK 48 - Pendleton/Awaiting Investigation
D0209 | TS BN BSSG 1 | POWER UNIT, FRONT, 12 1/2 TON, 4X4 | 563278 | "MK 48, WATER - 0337, ERO PA100, Need Yaw Control Valve"
D0215 | TS BN BSSG 1 | SEMI-TRAILER REFUELER, 5000 GAL., 4 WHEEL | 502769 | "M970 Serail # 502762 - 0337, PA102, Awaiting Batteries"
D0235 | TS BN BSSG 1 | SEMI-TRAILER, LOWBED, 40 TON | 558254 | M870 - Pendleton/Awaiting Investigation
D0860 | CSSD 10 | TRAILER, CARGO, 1-1/2T, 2-WHL, | 871807432 | "D0860: TRAILER, CARGO, 1-1/2T, 2-WHL, M105A2"
D0876 | CSSD 10 | TRLR, POWERED, 22 1/2 T, CONTAINER HAULER, 4X4 | 871807456 | "D0876: TRLR, PWRD, 22 1/2T, CONTAINER HAUL MK14"
D0876 | TS BN BSSG 1 | TRLR, POWERED, 22 1/2 T, CONTAINER HAULER, 4X4 | 563723 | "MK 14, WATER - 0337, PA100, Need Yaw Control Valve"
D0877 | TS BN BSSG 1 | TRLR, POWERED, WRECKER/RECOVERY, 4X4 | 587583 | MK 15 - Camp Pendleton/Awaiting Investigation
Local intranet

- **Nerve Center of CLC2S – provides essential and current unit data**
- **Bridges logistics planning and logistics execution**
- **Maintains status of people, equipment, and supplies**
- **Provides asset visibility**

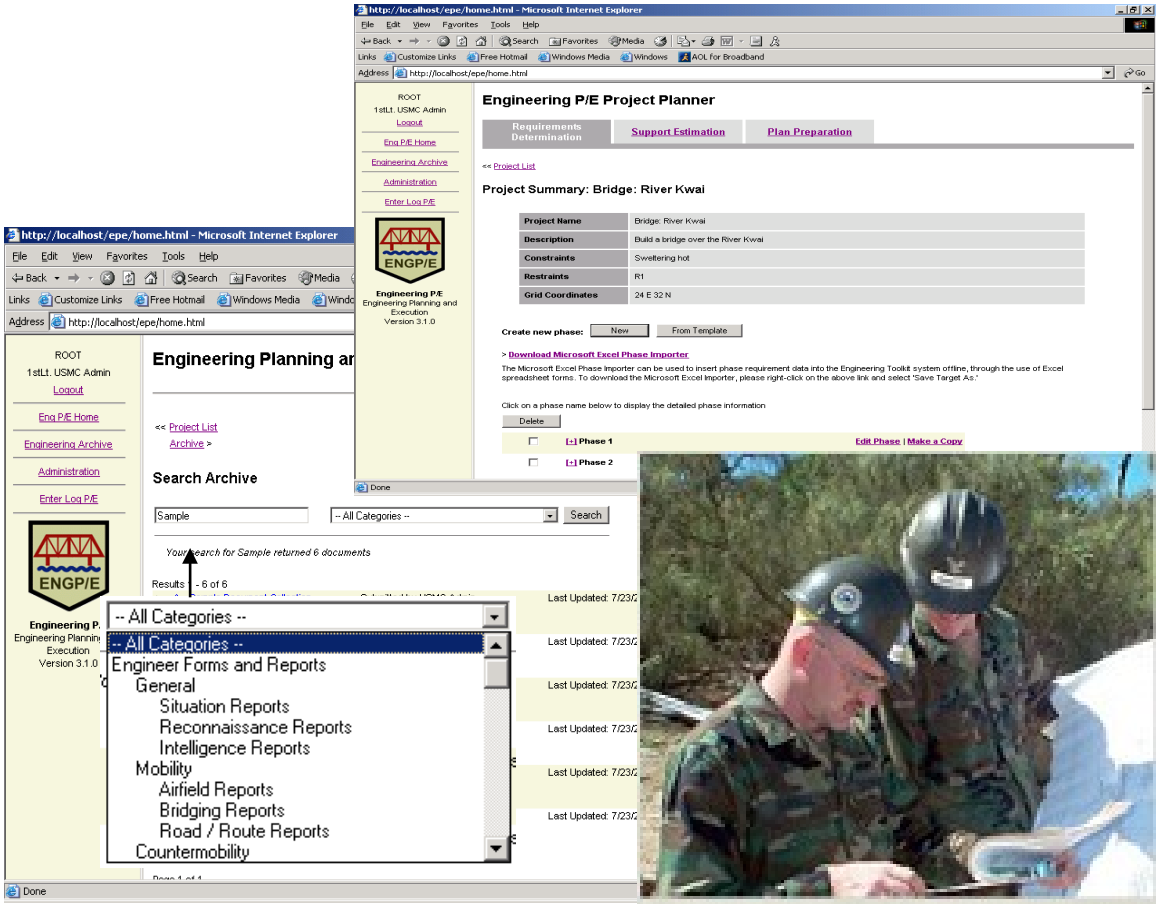
Logistics Planning and Execution

- Unit Readiness: Tracked Items
  - Status (Supplies, Equipment, Personnel) and CDR's assessment
  - Simple, "meatball" display
  - Drilldown to supporting detail
- Critical Alerts (customizable by unit/user)
- CSS Mission Planner
  - Requirements Determination
  - Support Estimation
  - Plan Preparation
  - DSS tools and



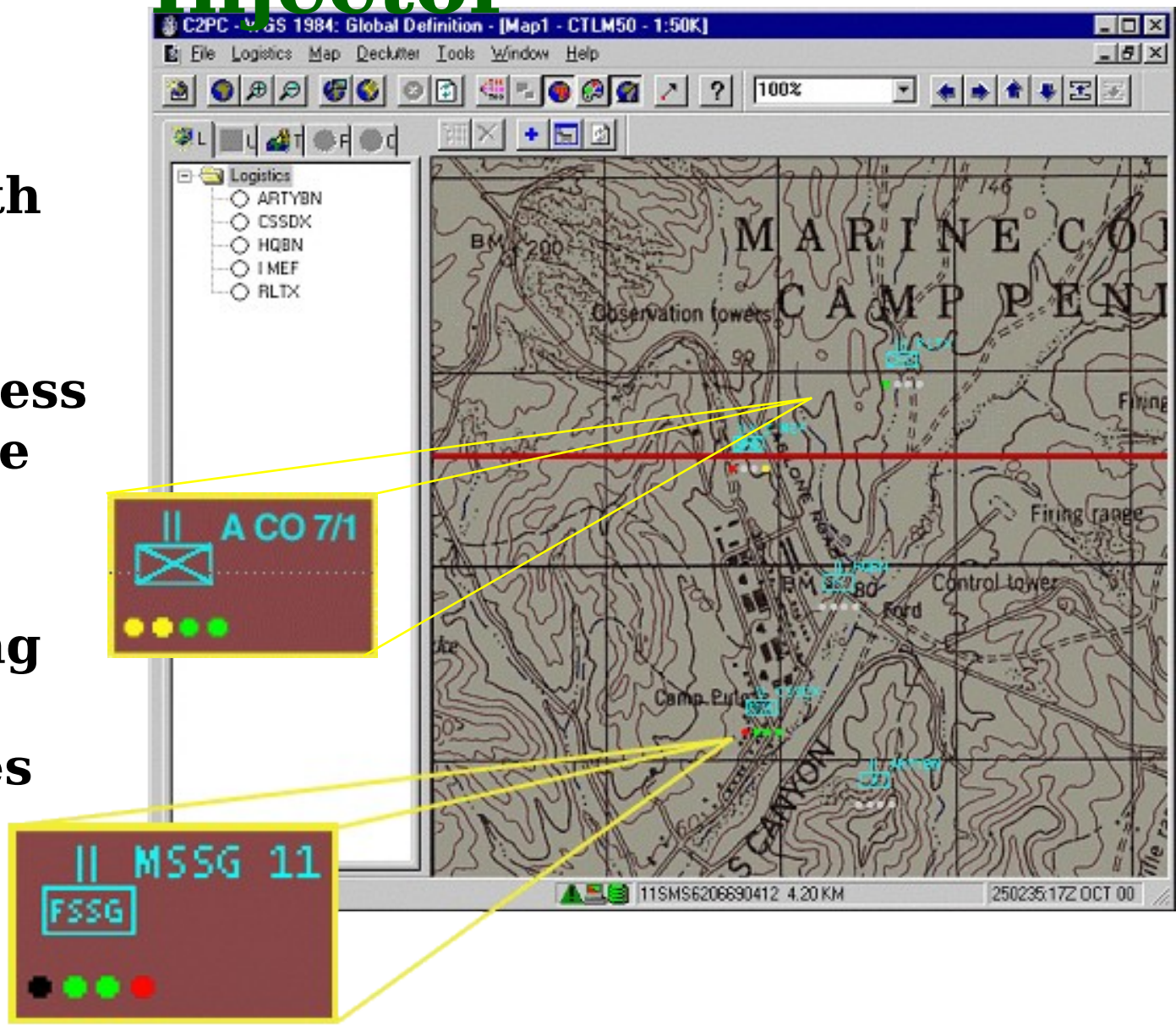
ENG P/E (Engineer Planning and Execution)

- **Engineering Project Planner – decision support tool for estimating and acquiring resources for an engineering mission task**
- **Engineering Archive – repository for engineering documents and references, completed projects, etc**
- **ETK will provide future Engineering enhancements in Oct 04**

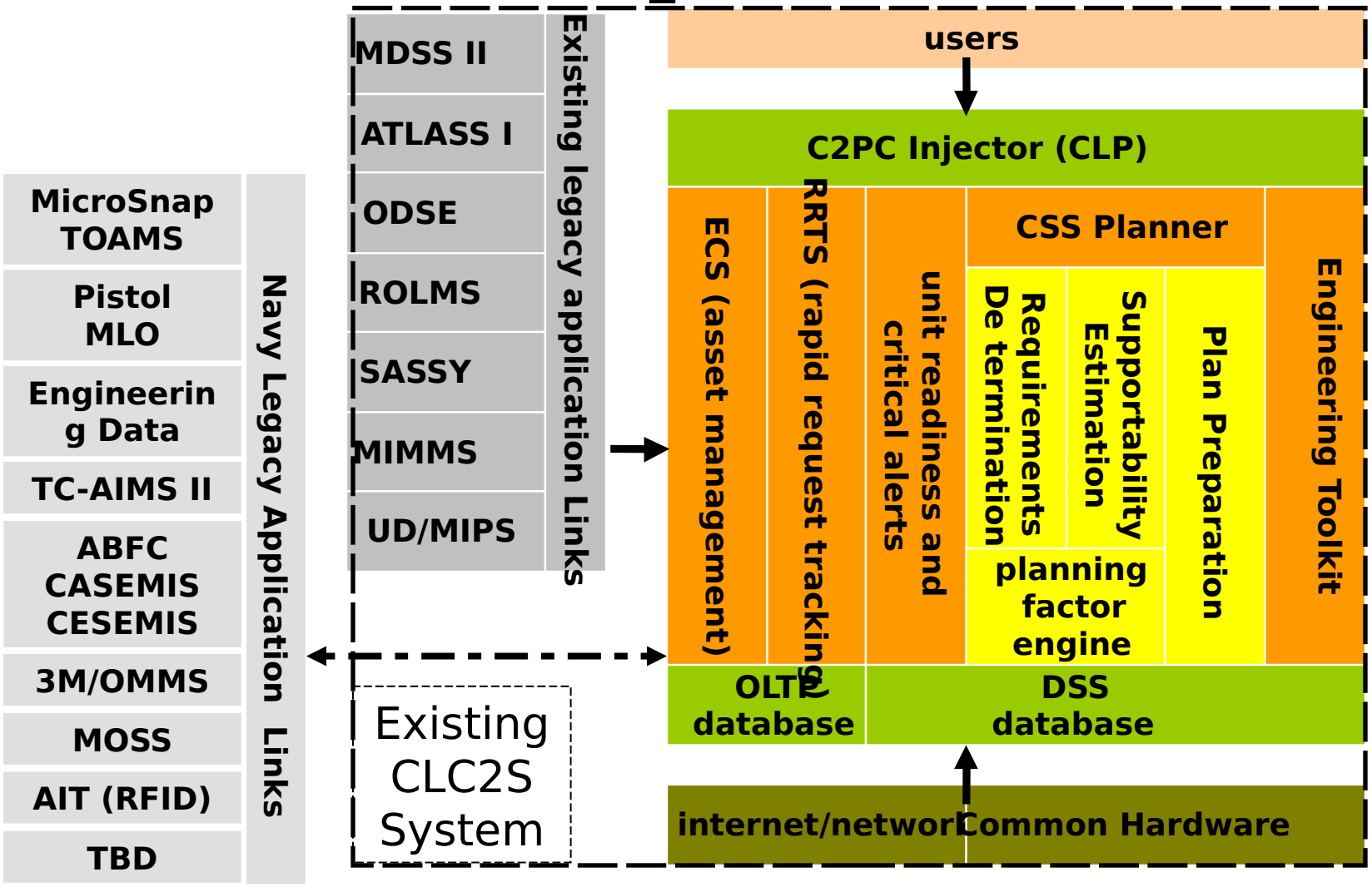


Situational Awareness: C2PC Injector

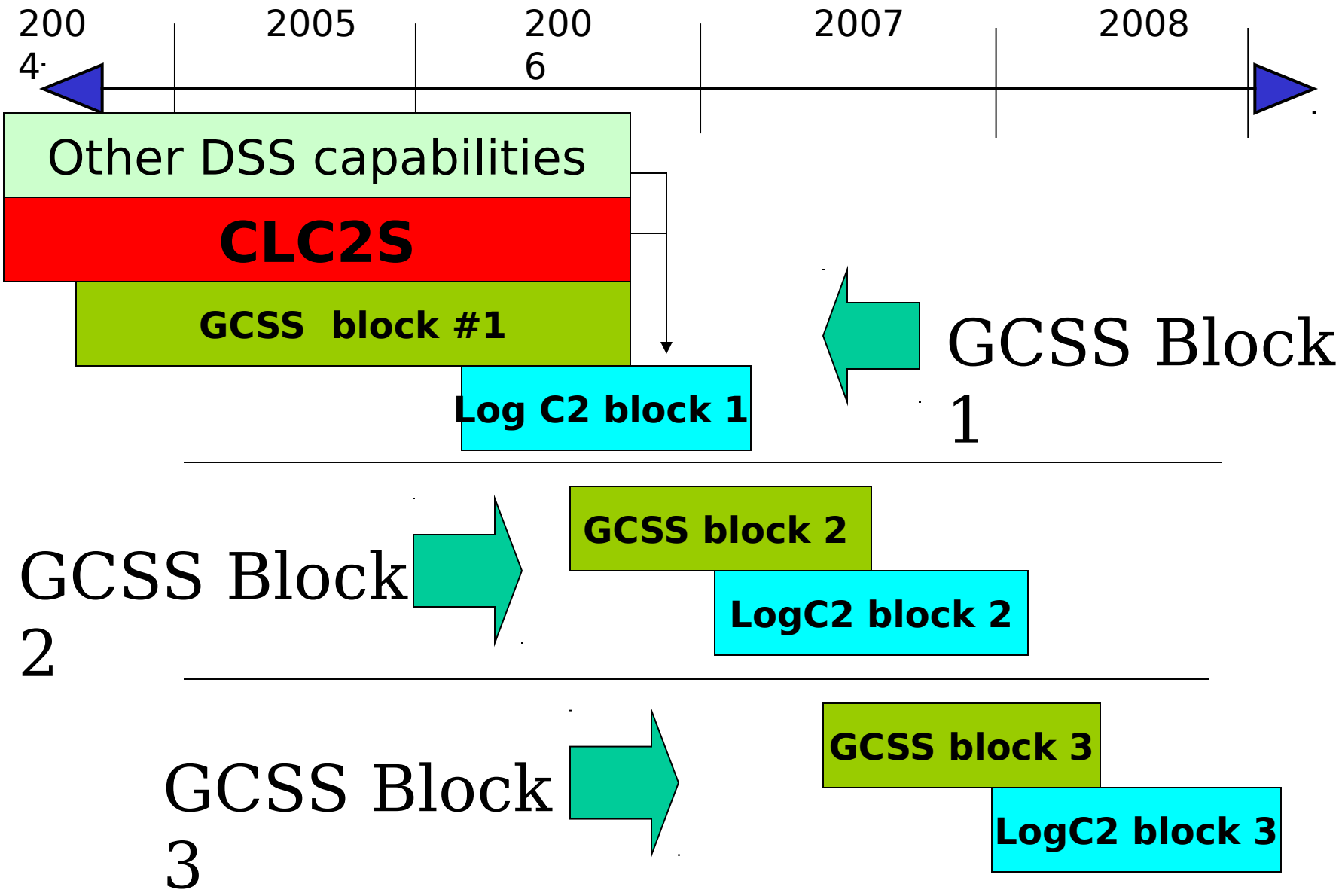
- **Integrates logistics visibility with tactical picture**
- **Unit Readiness current state assessment**
- **Map-based CSS planning by drawing support lines**



CLC2S Data Feeds & Components



GCSS-MC Timeframe



CLC2S “Victories”

- Raised awareness of LogC2 as critical MAGTF enabler
- Teaming with Navy Seabees
  - (CNO, NavSup, and Seals are evaluating it)
- Pilot fielding by USMC units (and soon Seabee units)
- Won a SAME (Society for American Military Engineers) award
- Support Infrastructure Implemented
- Palm and Detached Comm capabilities
- Recently chosen as USMC “FORCEnet” Pilot
- Website: **www.clc2s.info**
- Adjustable in usage, customizing, and sizing
- By mid April the CLC2S will have a "virtual training“ Module

Conclusion

- **CLC2S embodies key net centric capabilities**
  - **Web Based architecture**
  - **Modular Design**
  - **Automates processes**
  - **Asset Visibility and Readiness**
  - **Demonstrates Naval Integration**
  - **Engineering Prototype WRT GCSS-MC for TTPs**

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